

How to Use LSEG Codebook for Company Metadata Retrieval

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This guide explains how to collect company metadata (such as country of headquarters and industry classification) using the LSEG Codebook Python API. It walks through where to write code, how to find data field names, and provides an example script for querying data for multiple companies using their Reuters Instrument Codes (RICs).

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1 Contact

If you encounter any difficulties or just want general information, do not hesitate to contact us.

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More information about the SAFE Research Datacenter, and further guides can be found [here](#), and [here](#).

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2 Getting Started with Codebook

- Open Refinitiv Workspace in your browser.
- Navigate to: <https://workspace.refinitiv.com/web/codebook>
- Start a new notebook or Python script.

3 Finding Available Field Names

To discover available metadata fields for instruments (e.g., country, GICS sector, TRBC classification), open:

- **Formula Builder App:**

<https://workspace.refinitiv.com/web/Apps/FormulaBuilderV3App/?office=false>

Search using keywords like industry, country, GICS, SIC, or TRBC to browse field options and their technical names.

4 Example Script

```
1 import lseg.data as data
2 import pandas as pd
3 from tqdm import tqdm
4
5 # Step 1: Open session
6 data.open_session()
7
8 # Step 2: Load list of company tickers
9 rics = ['AAPL.O', 'MSFT.O', 'BMWG.DE', '7203.T']
10
11 # Step 3: Define fields to retrieve
12 fields = [
13     'TR.CommonName',
14     'TR.HeadquartersCountry',
15     "TR.HQCountryCode",
16     'TR.SICIndustryCode'
17 ]
18
19 # Step 4: Chunk and query data
20 def chunk_list(lst, size):
21     for i in range(0, len(lst), size):
22         yield lst[i:i + size]
23
24 batch_size = 250
25 all_results = []
26
27 for chunk in tqdm(chunk_list(rics, batch_size), total=(len(rics) //
28     batch_size) + 1, desc="Progress"):
29     try:
30         response = data.get_data(universe=chunk, fields=fields)
31         df_chunk = response.data.df
32         all_results.append(df_chunk)
33     except Exception as e:
34         print(f"Batch failed with error: {e}")
```

```

35 # Step 5: Save result
36 df = pd.concat(all_results, ignore_index=True)
37 df.to_csv("ric_country_industry.csv", index=False)

```

Listing 1: Query metadata from LSEG Codebook

5 What the Code Does

- **Authenticates** your session with LSEG Codebook.
- **Defines a list of company RICs** to look up.
- **Specifies fields** for company metadata.
- **Queries metadata in batches** using a progress bar.
- **Saves the result** to a CSV file.

6 Tips

- Use the Formula Builder to find exact field names.
- Query in batches if you are working with many RICs.
- Extend the field list to include financials, ESG data, or more.